Earth Science Earth as a System (Chapter 2 Outline)

***AS YOU READ, RESPOND TO THE FOLLOWING:***

*Vocabulary*: Define in your own words

Crust-

Mantle-

Core-

System-

Atmosphere-

Hydrosphere-

Geosphere-

Biosphere-

Ecosystem-

*Respond to the following:*

Describe the size and shape of the Earth. Be specific. (2 pts)

What is the most likely source of the Earth's magnetic field? Explain. (2 pts)

What is Newton's law of gravitation? Why is it significant when discussing systems on Earth? Explain. (3 pts)

How is energy transferred through an ecosystem? Describe energy transfer in terms of an energy pyramid. (2 pts)

What are the four major nutrient cycles on Earth? Why are these nutrients important to life? Explain. (3 pts)

***ABOUT THE READING:***

Write three things that you learned about the Earth as a System*:*

***Make sure to write a full sentence.***

*Example: I learned that the sun is the ultimate source of all energy on Earth.*

*1.*

*2.*

*3.*

***Assigned work****: Using your Inspiration Maps App, create a diagram that explains the Nitrogen Cycle. Make sure to define key terms and to explain the flow of nitrogen on the concept map/flow chart. Also, explain the role of animals in the Nitrogen Cycle in your concept map.*

*Attach concept map to your outline when you turn in your assignment. You may work in groups of 2-3 on the concept map.*

*(8 pts)*